Grass and Forage Science (1988) **43**, 447–449

Author index

ARMSTRONG D.G. *see* ROOKE J.A.
ARNOLD C.D. *see* DOUGHERTY C.T.
ARNOLD J.A. *see* ROOKE J.A.
BAKER ANNE-MARIE, YOUNGER A. and KING J.A The effect of drainage on herbage growth and soil development, 317
BARTHRAM L. *see* GRANT S.A.
BARTHRAM G.T. *see* KING J.
BATTER J.C. *see* SHIEL R.S.
BOOK REVIEW, 349
BOOK REVIEW, 447
BOWLING P.J. *see* HOPKINS A.
BRADLEY N.W. *see* DOUGHERTY C.T.
BROOKMAN S.K.E. *see* TALLOWIN J.R.B.
BYERS R.A. and TEMPLETON W.C. JR Effects of sowing date, placement of seed, vegetation suppression, slugs, and insects upon establishment of no-till alfalfa on orchardgrass sod, 279
CHRISTIANSEN S. and SVEJCAR T. Grazing effects on shoot and root dynamics and above- and below-ground non-structural carbohydrate in Caucasin bluestem, 111
CLELAND A.T. *see* SWIFT G.
CORNELIUS P.L. *see* DOUGHERTY C.T.
COX R., PARR T.W. and PLANT R.A. Water use and water-use efficiency of perennial ryegrass swards as affected by the height and frequency of cutting and seed rate, 97
DAVIES A. *see* JONES D.R.
DAVIES D.A. and MORGAN T.E.H. Variation in spring temperatures, grass production response to nitrogen over twenty years in the uplands, 159
DEMMENT M.W. *see* GREENWOOD G.B.
DHANOA M.S. On the analysis of dacron bag data for low degradability feeds (Research Note), 441
DOUGHERTY C.T., FORBES T.D.A., CORNELIUS P.L., LAURIAULT L.M., BRADLEY N.W. and SMITH E.M. Effects of supplementation on the ingestive behaviour of grazing steers, 353
DOUGHERTY C.T., SMITH E.M., BRADLEY N.W., FORBES T.D.A., CORNELIUS P.L., LAURIAULT L.M. and ARNOLD C.D. Ingestive behaviour of beef cattle grazing alfalfa (*Medicago sativa* L.), 121
ELSTON D.A. *see* GRANT S.A.
FALLOON R.E. and HUME D.E. Productivity and persistence of prairie grass (*Bromus willdenowii* Kunth). 1. Effects of the head smut fungus *Ustilago bullata* Berk., 179
FORBES T.D.A. *see* DOUGHERTY C.T.
FRAME J. Idris V. Hunt (An Appreciation), 213
FRANKLIN M.F. *see* SWIFT G.
GIBB M.J. and RIDOUT M.S. Application of double normal frequency distributions fitted to measurements of sward height, 131
GRANT S.A., BARTHRAM L., TORVELL L., KING J. and ELSTON D.A. Comparison of herbage production under continuous stocking and intermittent grazing, 29
GRANT S.A. *see* KING J.
GREENWOOD G.B. and DEMMENT M.W. The effect of fasting on short-term cattle grazing behaviour, 377
HAIGH P.M. The effect of wilting and silage additives in the fermentation of autumn made grass silage ensiled in bunkers on commercial farms in South Wales 1983–85, 335
HARVEY A. *see* PARSONS A.J.
HILL M.J. and GLEESON A.C. Competition among seedlings of phalaris, subterranean clover and white clover in diallel replacement series mixtures, 411
HOPKINS A., WAINWRIGHT JOANNE, MURRAY P.J., BOWLING P.J. and WEBB MORAG. 1986 survey of upland grassland in England and Wales: changes in age structure and botanical composition since 1970–72 in relation to grassland management and physical features, 185
HUCKLE C.A. *see* PEEL S.
HUME D.E. *see* FALLOON R.E.

HUMPHREYS M.O. *see* MCHUGH S.
JAHN H.G. *see* MATHISON G.W.
JAMES I.R. *see* MARSHALL A.H.
JOHNSON I.R. *see* PARSONS A.J.
JOHNSON M.S. *see* MCHUGH S.
JONES D.I.H. The effect of cereal incorporation on the fermentation of spring- and autumn-cut silages in laboratory silos, 167
JONES D.R. and DAVIES A. The effects of simulated continuous grazing on development and sensecence of white clover, 488
JONES E.L. *see* MOSELEY G.
JUNG G.A., SHAFFER J.A., STOUT W.L. and PANCIERA M.T. Harvest frequency effects on forage yield and quality of rapes and rape hybrids, 395
KING J. *see* BAKER ANNE-MARIE
KING J. *see* GRANT S.A.
KING J., SIM E.M., BARTHRAM G.T., GRANT S.A. and TORVELL L. Photosynthetic potential of ryegrass pastures when released from continuous stocking management, 41
KOUKOULAKIS P.H. *see* PAPANASTASIS V.P.
KRISTENSEN E.S. Influence of defoliation regime on herbage production and characteristics of intake by dairy cows affected by grazing intensity, 239
LAIDLAW A.S. The contribution of different white clover cultivars to the nitrogen yield of mixed swards (Research Note), 345
LARSSON K. and STEEN E. Changes in chemical composition of grass roots during decomposition, 173
LASCANO C.E. and THOMAS D. Forage quality and animal selection of *Arachis pintoi* in association with tropical grasses in the eastern plains of Colombia, 433
LAURIAULT L.M. *see* DOUGHERTY C.T.
MARRIOTT C.A. Seasonal variation in white clover content and nitrogen fixing (acetylene reducing) activity in a cut upland sward, 253
MARSHALL A.H. and JAMES I.R. Effect of plant density on stolon growth and development of contrasting white clover (*Trifolium repens*) varieties and its influence on the components of seed yield, 311
MATHISON G.W., JAHN H.G., WALTON P.D. and MILLIGAN L.P. Use of the *in situ* technique in the study of degradation of lucerne and smooth bromegrass genotypes, 231
MATKIN E.A. *see* PEEL S.
MAYA F.M. *see* ROOKE J.A.
MAYNE C.S., NEWBERRY R.D. and WOODCOCK S.C.R. The effects of a flexible grazing management strategy and leader/follower grazing on the milk production of grazing dairy cows and on sward characteristics, 137
MCGECHAN M.B. Susceptibility to losses during mechanical silage and haymaking operations in relation to grass dry matter content, 387
MCHUGH S., HUMPHREYS, M.O., MCNEILLY T. and JOHNSON M.S. Variation in cold tolerance in *Festuca rubra* L., 303
MCNEILLY T. *see* MCHUGH S.
MILLIGAN L.P. *see* MATHISON G.W.
MORGAN T.E.H. *see* DAVIES D.A.
MOSELEY G., JONES E.L. and RAMANATHAN V. The nutritional evaluation of Italian ryegrass cultivars fed as silage to sheep and cattle, 289
MOWAT D.J. and SHAKEEL M.A. The effect of pesticide application on the establishment of white clover in a newly-sown ryegrass/white clover sward, 371
MOWAT D.J. and SHAKEEL M.A. The effect of some invertebrate species on the growth of white clover (*Trifolium repens* L.) in the laboratory, 405
MURRAY P.J. *see* HOPKINS A.
NEWBERRY R.D. *see* MAYNE C.S.
ORR R.J., PARSONS A.J., TREACHER T.T. and PENNING P.D. Seasonal patterns of grass production under cutting or continuous stocking managements, 199
PANCIERA M. *see* JUNG G.A.
PAPANASTASIS V.P. and KOUKOULAKIS P.H. Effects of fertilizer application to grasslands in Greece, 151
PARR T.W. *see* COX R.
PARSONS A.J., JOHNSON I.R. and HARVEY A. Use of a model to optimize the interaction between frequency and severity of intermittent defoliation and to provide a fundamental comparison of the continuous and intermittent defoliation of grass, 49
PARSONS A.J., JOHNSON I.R. and WILLIAMS J.H.H. Leaf age structure and canopy photosynthesis in rotationally and continuously grazed swards, 1
PARSONS A.J. and PENNING P.D. The effect of the duration of regrowth on photosynthesis, leaf death and the average rate of growth in a rotationally grazed sward, 15

PARSONS A.J. *see* ORR R.J.
PEEL S., MATKIN E.A. and HUCKLE C.A. Herbage growth and utilized output from grassland on dairy farms in southwest England: case studies of five farms, 1982 and 1983. I. Herbage growth, 61
PEEL S., MATKIN E.A. and HUCKLE C.A. Herbage growth and utilized output from grassland on dairy farms in southwest England: case studies of five farms, 1982 and 1983. II. Herbage utilization, 71
PENNING P.D. *see* ORR R.J.
PENNING P.D. *see* PARSONS A.J.
PHILLIPS C.J.C. The use of conserved forage as a supplement for grazing dairy cows (Review Paper), 215
PLANT R.A. *see* COX R.
POSLER G.L. *see* STEPHENSON R.J.
RAMANATHAN V. *see* MOSELEY G.
RANGELEY ANNE. Fertilizer requirements for maintenance of a perennial ryegrass (*Lolium perenne* L.)/white clover (*Trifolium repens* L.) pasture growing on a humus iron podzol in N.E. Scotland, 263
RANGELEY ANNE. The utilization of N fertilizer, applied to perennial ryegrass/white clover pasture growing on a humus iron podzol in N.E. Scotland, 363
RIDOUT M.S. *see* GIBB M.J.
ROBERTS D.J. *see* SABRI M.S.
ROOKE J.A., MAYA F.M., ARNOLD J.A. and ARMSTRONG D.G. The chemical composition and nutritive value of grass silages prepared with no additive or with the application of additives containing either *Lactobacillus plantarum* or formic acid, 87
SABRI M.S. and ROBERTS D.J. The effects of feeding fodder beet with two levels of concentrate allocation to dairy cattle, 427
SHAFFER J.A. *see* JUNG G.A.
SHAKEEL M.A. *see* MOWAT D.J.
SHIEL R.S. and BATTEN J.C. Redistribution of nitrogen and phosphorous on Palace Leas meadow hay plots as a result of aftermath grazing, 105
SIM E.M. *see* KING J.
SMITH E.M. *see* DOUGHERTY C.T.
STEEN E. *see* LARSSON K.
STEEN R.W.J. *see* WYLIE A.R.G.
STEPHENSON R.J. and POSLER G.L. The influence of tall fescue on the germination, seedling growth and yield of birdsfoot trefoil, 273
STOUT W. *see* JUNG G.A.
SVEJCAR T. *see* CHRISTIANSEN S.
SWITF G., CLELAND A.T. and FRANKLIN M.F. A comparison of nitrogen fertilizers for spring and summer grass production, 295
TALLOWIN J.R.B. and BROOKMAN S.K.E. Herbage potassium levels in a permanent pasture under grazing, 209
TEMPLETON W.C. JR *see* BYERS R.A.
THOMAS D. *see* LASCANO C.E.
TORVELL L. *see* GRANT S.A.
TORVELL L. *see* KING J.
TREACHER T.T. *see* ORR R.J.
WAINWRIGHT JOANNE *see* HOPKINS A.
WALTON P.D. *see* MATHISON G.W.
WEBB MORAG *see* HOPKINS A.
WILLIAMS J.H.H. *see* PARSONS A.J.
WOODCOCK S.C.R. *see* MAYNE C.S.
WYLIE A.R.G. and STEEN R.W.J. Effect of anhydrous ammonia treatment on the chemical composition and nutritive value of grass hay and on intake and performance in beef steers, 79
YOUNGER A. *see* BAKER ANNE-MARIE